

Figure 1a

[illegible][illegible]

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Figure 1b

GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly 1 5 10 15	48
GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Glu Arg Ala Thr Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His 20 25 30	96
CTA CAC TCG TAT CAA CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu Ile 35 40 45	144
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC Lys Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ala Arg Phe Ser Gly 50 55 60	192
AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro 65 70 75 80	240
GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Ser Gly Ser Trp Pro His 85 90 95	288
ACG TTC GGA GGG GGG ACC AAG GTG GAA ATT AAG Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys 100 105	321

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Figure 2a																		
GAA GTG CTG CAG GTG GAG TCT GGG GGA GGC TTA GTG AAG CCT GGA AGG																		
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Arg	48																	
1																		
5																		
10																		
15																		
20																		
25																		
30																		
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75																		
80																		
85																		
90																		
95																		
100																		
105																		
110																		
115																		

Sequence	Protein
GAT ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT GTG ACA CCA GGA Asp Ile Val Leu Thr 5 Gln Ser Pro Ala Thr 10 Leu Ser Val Thr 15 Pro Gly 48	48
GAT AGC GTC AGT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Asp Ser Val Ser 20 Leu Ser Cys Gln Ala Ser 25 Gln Ser Ile Ser 30 Asn His 96	96
CTA CAC TGG TAT CAA CAA AAA TCA CAT GAG TCT CCA AGG CTT CTC ATC Leu His Trp 35 Tyr Gln Gln Lys Ser 40 His Glu Ser Pro Arg 45 Leu Leu Ile 144	144
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC TCC AGG TTC AGT GGC Lys Tyr Arg Ser 50 Gln Ser Ile Ser 55 Gly Ile Pro Ser 60 Arg Phe Ser Gly 192	192
AGT GGA TCA GGG ACA GAT TTC GCT CTC AGT ATC AAC AGT GTG GAG ACT Ser Gly Ser Gly Thr 70 Asp Phe Ala Leu Ser 75 Ile Asn Ser Val Glu Thr 80 240	240
GAA GAT TTT GGA ATG TAT TTC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Gly Met 85 Tyr Phe Cys Gln 90 Gln Ser Gly Ser Trp 95 Pro His 288	288
ACG TTC GGA GGG GGG ACC AAG CTG GAA ATT AAG Thr Phe Gly Gly 100 Gly Thr Lys Leu Glu Ile Lys 105 321	321

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LM609 Competition Assay

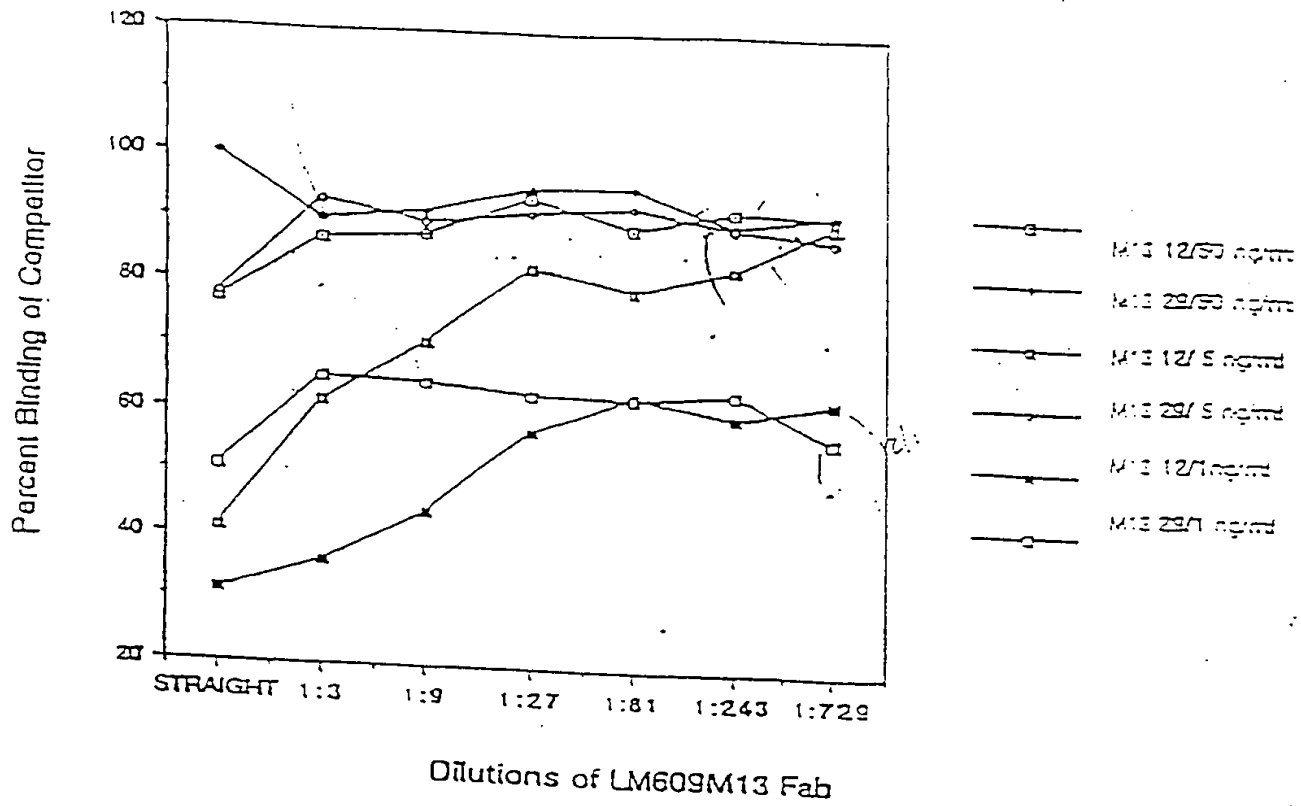


Figure 3

Figure 4A

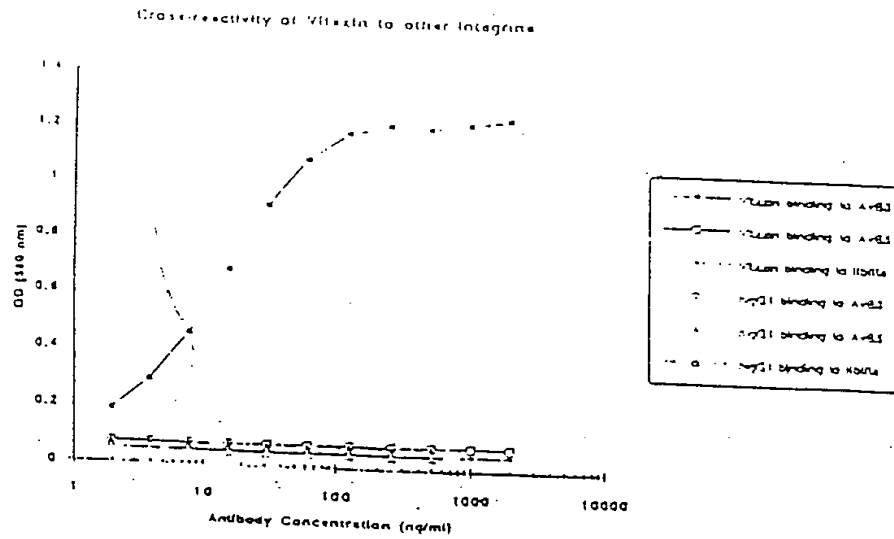


Figure 4B

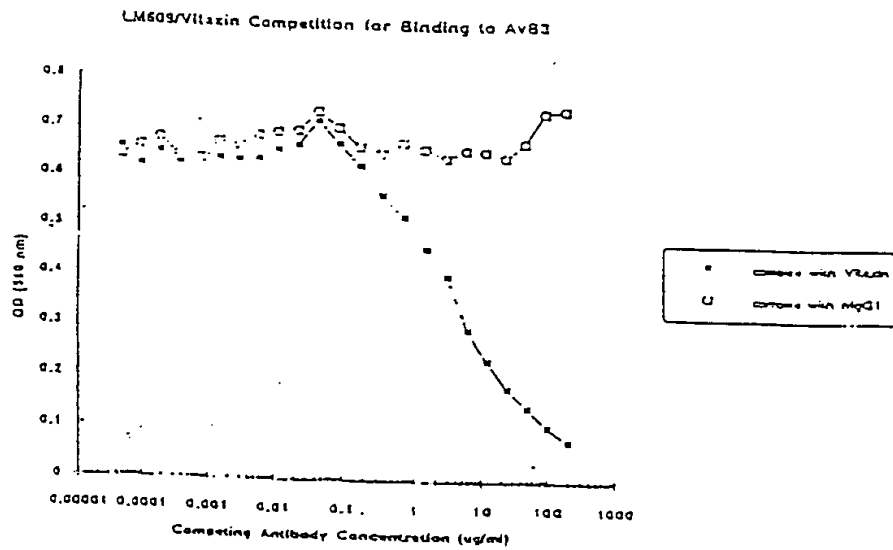
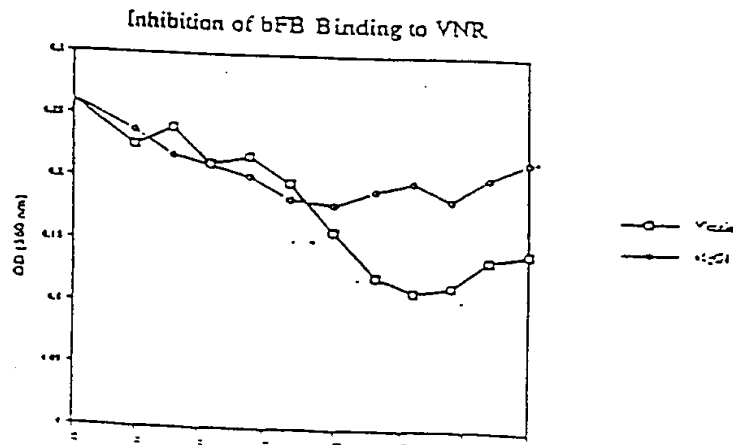


Figure 4C



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Figure 5A

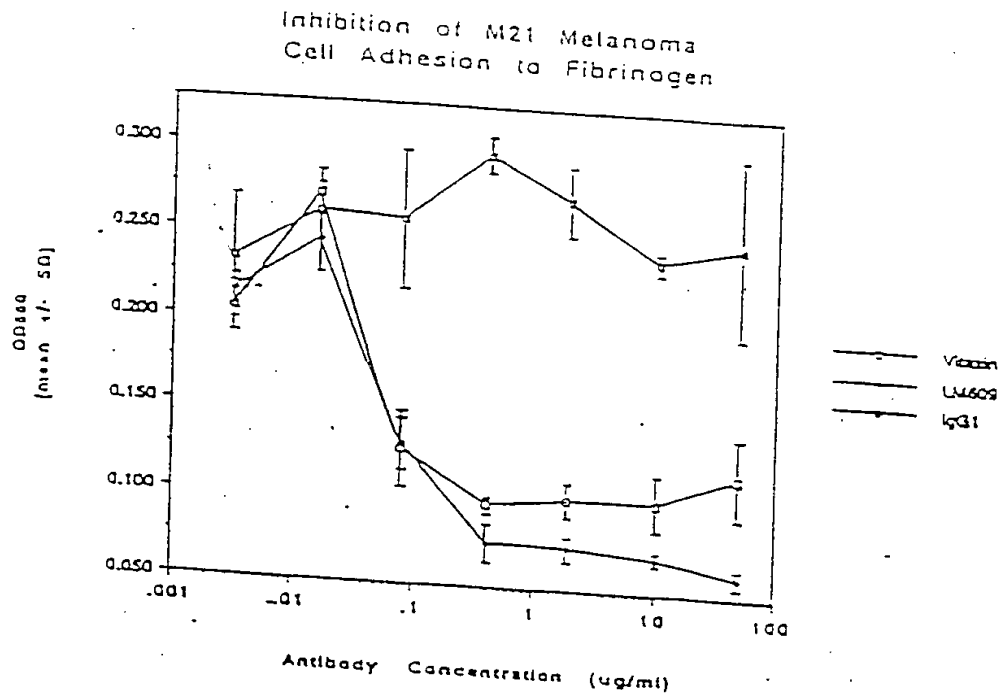


Figure 5B

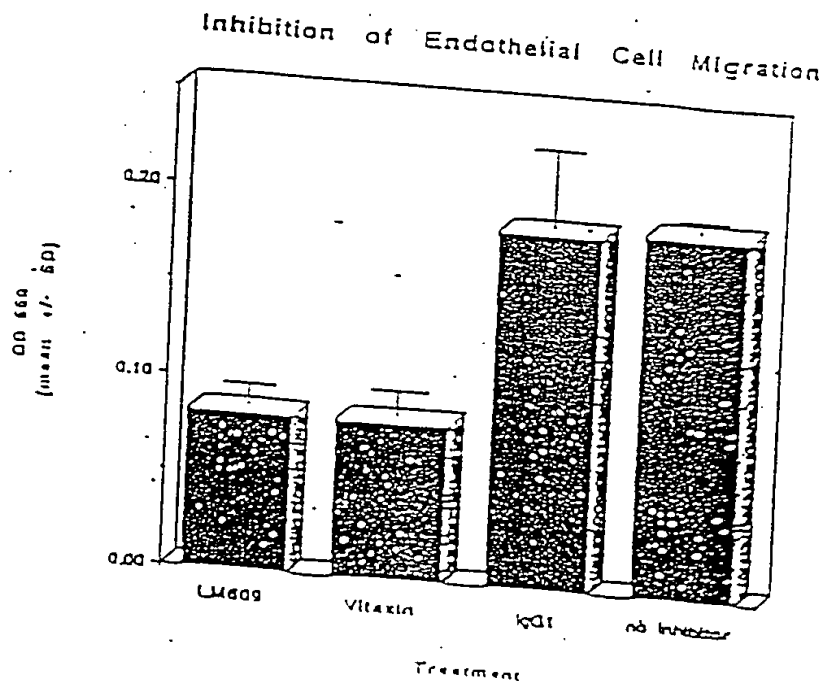


Figure 6A

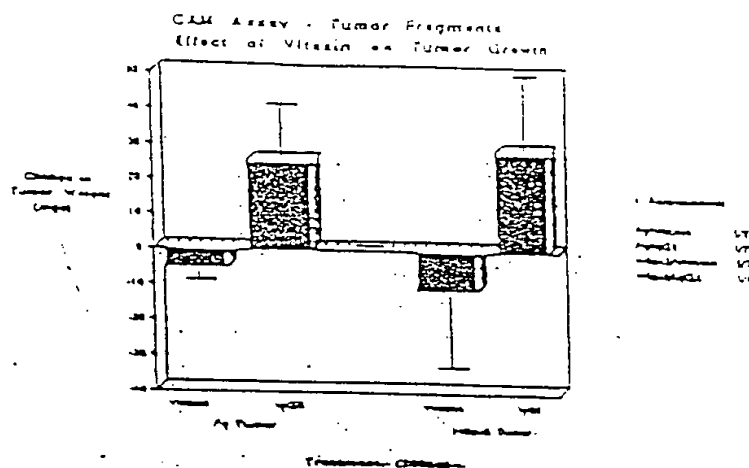


Figure 6B

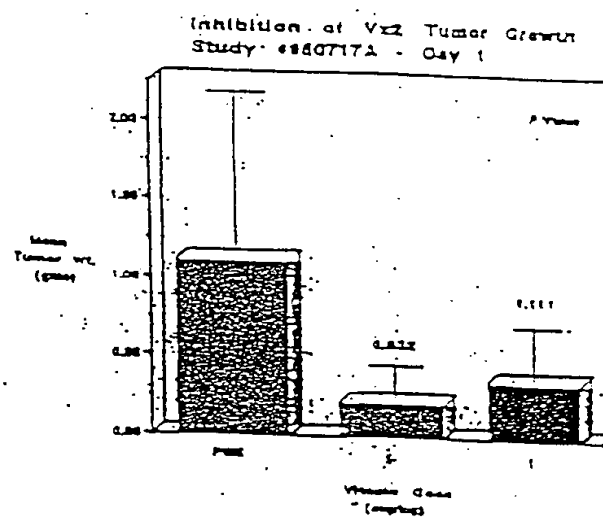
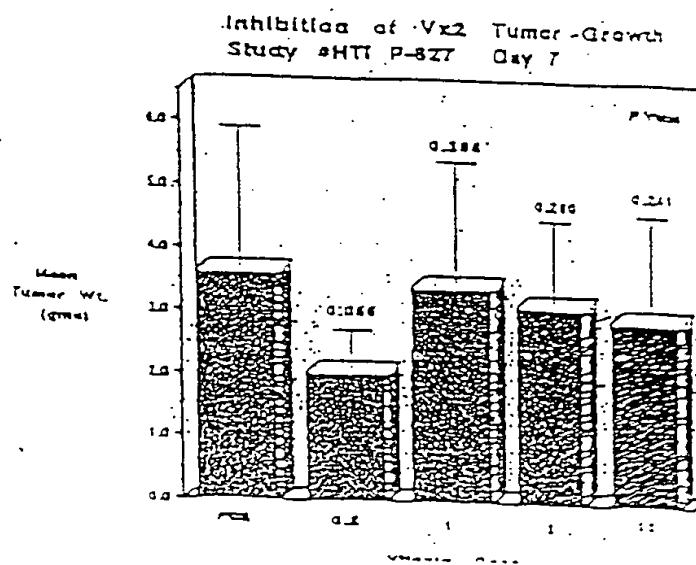


Figure 6C



GAG Glu 1	ATT Ile	GTG Val	CTA Leu	ACT Thr 5	CAG Gln	TCT Ser	CCA Pro	GCC Ala	ACC Thr 10	CTG Leu	TCT Ser	CTC Leu	AGC Ser	CCA Pro 15	CGA Gly	48
GAA Glu	AGG Arg	GCG Ala	ACT Thr 20	CTT Leu	TCC Ser	TGC Cys	CAG Gln	GCC Ala 25	AGC Ser	CAA Gln	AGT Ser	ATT Ile	AGC Ser 30	AAC Asn	CAC His	96
CTA Leu	CAC His	TGG Trp 35	TAT Tyr	CAA Gln	CAA Gln	AGG Arg	CCT Pro 40	GGT Gly	CAA Gln	GCC Ala	CCA Pro	AGG Arg 45	CTT Leu	CTC Leu	ATC Ile	144
CGT/ATG Arg/Met	TAT Tyr 50	CGT Arg	TCC Ser	CAG Gln	TCC Ser	ATC Ile 55	TCT Ser	GGG Gly	ATC Ile	CCC Pro	GCC Ala 60	AGG Arg	TTC Phe	AGT Ser	GGC Gly	192
AGT Ser 65	GGA Gly	TCA Ser	GGG Gly	ACA Thr	GAT Asp 70	TTC Phe	ACC Thr	CTC Leu	ACT Thr 75	ATC Ile	TCC Ser	AGT Ser	CTG Leu	GAG Glu	CCT Pro 80	240
GAA Glu	GAT Asp	TTT Phe	GCA Ala	GTC Val 85	TAT Tyr	TAC Tyr	TGT Cys	CAA Gln	CAG Gln 90	AGT Ser	GGC Gly	AGC Ser	TGG Trp	CCT Pro 95	CAC His	288
ACG Thr	TTC Phe	GGA Gly	GGG Gly 100	GGG Gly	ACC Thr	AAG Lys	GTG Val	GAA Glu 105	ATT Ile	AAG Lys						321

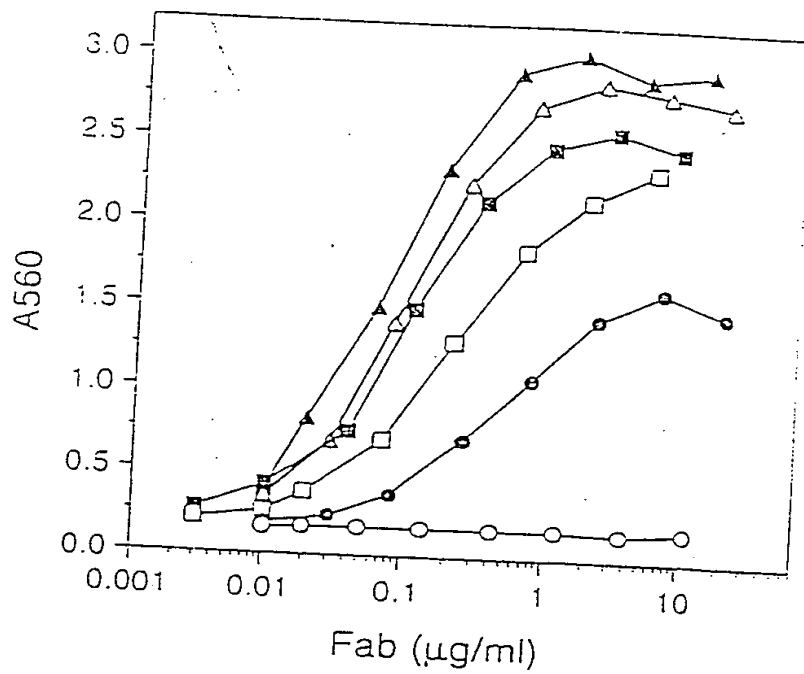


FIGURE 8

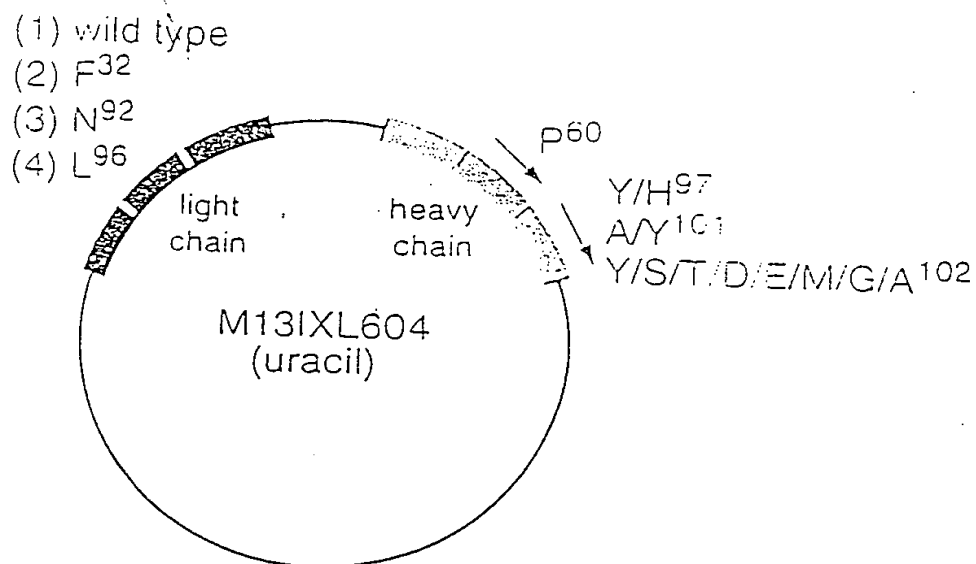


FIGURE 9

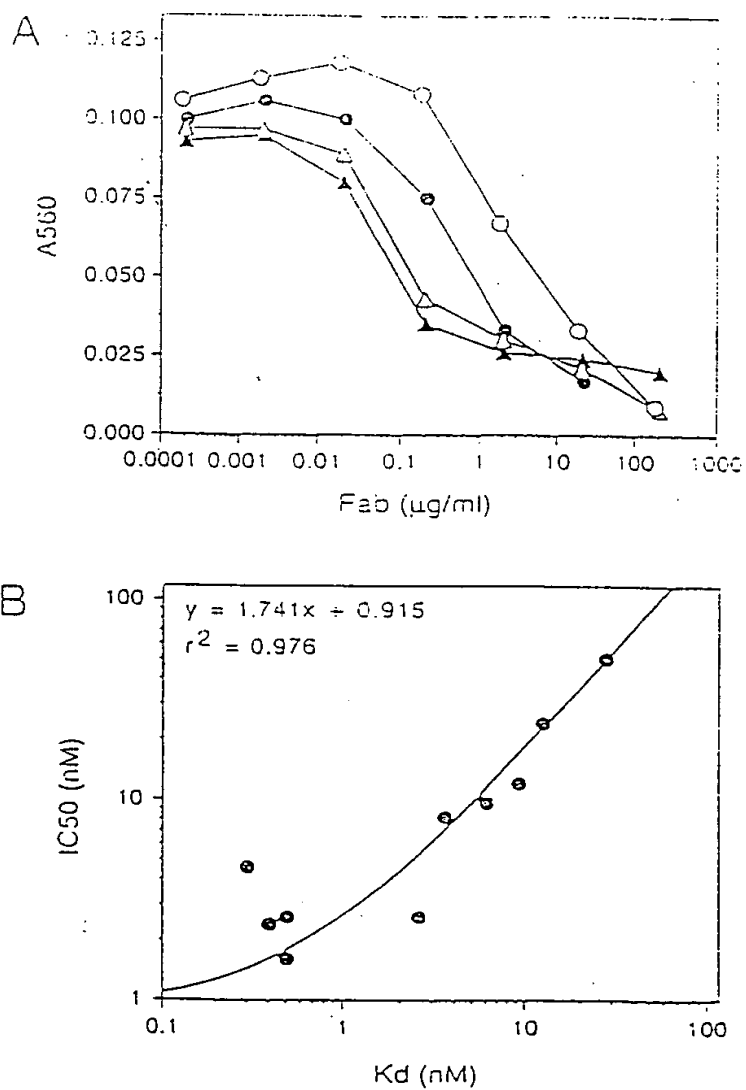


FIGURE 10

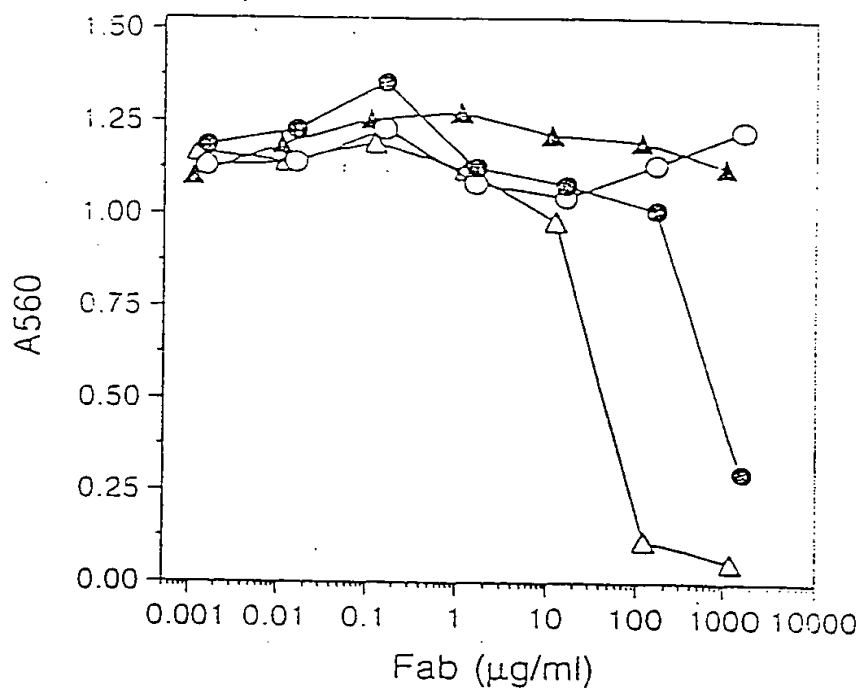


FIGURE 11